HARRIET and the PIPER

By KATHLEEN NORRIS

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Synopsis.-Harriet Field, twenty eight years old, and beautiful, b the social secretary of the flirta-tious Mrs. Isabelle Carter, at "Crownlands." Richard Carser's ome, and governess of seventee year old Nina Carter. twenty-four years old and impres-sionable, fancies himself in love with his mother's attractive secretary. Mrs. Carter's latest "affair" is with young Anthony Pope, and the youth is taking it very seriously. Presiding over the teacups this summer afternoon, Harriet is pro-foundly disturbed by the arrival of a visitor, Royal Blondin, Next day, at a tea party in the city, Blondin makes himself agreeable to Nina, and leaves a deep impres-sion on the unsophisticated girl. Harriet's agitation over the appears explained by the fact that he her life ten years before, and she fears him. The man is an avowed adventurer, living on the gullibility of the idle rich. He frankly ances to Marriet his intention of marrying Nina, who, as the daughter of the wealthy Richard Carter, is a highly desirable "catch," and urges her to aid him. She is in a sense in his power, and after pleading with him to abandon his scheme agrees to follow a policy of neutrality. Harriet visits her married sister, Linda Davenport, with whom she had had her hom-during her unfortunate acquaint ance with Blondin, and tells her of realizing the unscrupulous nature of the man, view the future with

CHAPTER IV-Continued.

"So did I!" Harriet said, simply, "Our meeting was entirely accidental, He had no idea of finding me; was as surprised as I was," She stopped abruptly, musing on some unpalatable thought. "You wouldn't know him, Linda. He is a perfect freak. New thought, and poetry, and the occult, and Tagore and the Russian novelists, and the Russian music; he lectures about them and he has been extremely successful! He wears poncoats and red ties, and has his hair long, and-well, you never saw women act so about anything or anybody! He's having dinner with the Carters tonight." To this Linda could only ejaculate an amazed:

"Royal Blondin!" And as Harriet merely nodded, in the gloom, she added, vigorously, "Why, he hadn't a penny! He was always an idiot-he didn't have enough to eat ten years

"Well, he has enough to eat now! Ward told me that he gets three hundred dollars for his drawing-room talks-his 'interpretive musings,' he called them.

"Well, that-" Mrs. Davenport was still dazed with astonishment and in-dignation. "That really—" she began, and stopped, shaking her head. "Tell me everything you said!" she

commanded.
|- "I will!" Harriet's voice fell flatly. "I came home to talk it over with you," But it was fully five minutes later that she began the inevitable confidences, "We talked-Roy and I-" she said, briefly. "He doesn't' belong in my life, now, any more than I do in his! We simply agreed to a sort of mutual minding of our own

"Thank God!" Mrs. Davenport said, fervently. "He-he doesn't want todoesn't still feel-he won't worry you, then?" she asked somewhat diffidently. Harriet's laugh bad an un-

"He is after bigger game than I am, now!" she said.

"The brute!" her sister commented in a whisper. "It-it is all right, then?" she asked, a little timidly.

"All right!" Harriet echoed, bitterly. "I haven't drawn a happy breath since I saw him! All that time came up again, as fresh as if it were yesterday-except that I have climbed was busy and useful-and I had-I had my self-respect!"

And suddenly the bright head was in Linda's lap, and she was sobbing bitterly. Linda, with a great ache in her heart, circled her arms, mother fashion, as she had circled them a hundred times, about her little sister.

CHAPTER V. Harriet slept in the room with Julia and Josephine that night, or rather tossed and lay wakeful there. At about two o'clock the wind streamed mercifully in, hot and thick, but prophetic of rain, and Harriet, wandering about to make windows fast, encountered Linda, on the same errand. When the worst of the crackling and flashing was over, the girl glanced at her watch. Three o'clock. but she could sleep now. She sank deeply into dreams, not to stir until Linda's alarm clock, hastily smothered, thrilled at seven, and the small girls rose with cheerful noise, to let

streams of hot sunshine upon her face. Immediately after breakfast the two small girls attacked their Saturday morning's work with a philosophic vigor that rather touched their aunt. Fred had hurried away after his hasty meal; the boys were turned out into the backyard, which Plp was expected

to rake while he watched his small Harriet's heart ached deeply for them all as she watched the Jersey marshes from the car window a few hours later. Josephine was to be a stepographer when she finished high school, and little Julia had expressed an angelic ambition to teach a kindergarten class some day. Nina, at their both hands about his. "I'll explain ages, had her pony, her finishing about Nina." school, her little silk stockings, and her monogrammed lyory tollet set, her trip to England and France and Italy with her mother and brother

and grandmother, Suppose that she, Harriet, was right more than the passing gallantry of a light-hearted boy? It would be a twenty-two with his mother's secretary, more than four years his senior. But after that? After that there would be nothing to say or do. Young Mr. and Mrs. Ward Carter would establish themselves comfortably, and Isabelle alsorbed as usual in her own in the whole c---- r

mysterious thoughts, and Richard

Harriet's thoughts, none too com fortable up to this point, stopped here, see her beauty and charm with all tion, the hot and sordid streets began the rest of the world, Harriet knew to glide by. that she must begin an actual campalgn for his esteem on her wedding its outcome. She would make Ward later?" Carter a wife for whom his father must come to feel genuine gratitude and devotion. There would be children, there would be hospitality and rying away just as hard!" music and a garden. And Ward should seriously settle down to his business, whatever it might be, and show himself a worthy son of his

clever father. "Why not-why not?" Harriet asked was whisked upstairs. She was to for the big limousine at the curb, as an last June roses. indication that the old lady might be ready to accompany them back to sight. The maid's first statement was at the steps, and turned her happy, that Miss Carter had gone home with her brother, and then Madame Carter

came magnificently into the room. "Well, our bird has flown!" said the old lady. Harriet could see that she

was pleased about something. "Gone home with Ward?" Harriet asked. Madame Carter never shook hands with her: there was conscious superiority in the little omission. She sank into a chair, and Harriet sat

"Ward and his friend, this Mr. Biondin," Madame Carter said. "A very interesting-a most unusual man. A very good family, too-excellent old family. Yes. Nina assured us that she had to wait and go home with her Daddy, but that-" Madame Carter gave Harriet a deeply significant smile -"but that didn't seem to please Somebody very much!" she added. "So I told Nina I thought Granny would be able to make it all right with Daddy, and off the young people went."

She rocked, with a benignly triumphant expression, and a complacent rustle of silken skirts. Harriet, beneath an automatic smile, hid a troubled heart. Royal was losing no time Ward his innocent instrument, and this fatuous old lady of course playing his game for him!

Harriet saw that she was pleased and flattered by an older man's apparent admiration of Nina; and that she would further the girl's first definite in every way that lay in h her with its implication of her impor-honest—I like you!" tance; ah, no, Isabelle and Harriet might try to hold the child back-but either of them!

"Well, then, I must follow them home," Harriet said, pleasantly. "You don't come back tonight?" To this Madame Carter very point-

edly made no answer; her plans were

not Miss Field's business. "The child is growing up!" the old lady said, smiling at some thought. "Well, we must look for love affairs

Harriet felt that there was small profit in following this line of conversation. She glanced at her twisted

"I think I will make that two o'clock train, Madame Carter, unless there is some errand I might do for you?" she

said respectfully. This courtesy, from a beautiful tagonized Madame Carter. Harriet knew that she was casting about for some honeyed and venomous farewell, when the muffled thrill of the bell came to them, and the footsteps of ward Richard Carter came quickly in. He met Harriet at the door.

utes!" he said, pleasantly. "Don't keep Miss Field; she is mak-

ing her train!" said his mother, com-

Suddenly the Bright Head Was In Linda's Lap and She Was Sobbing

ing forward under full sail, and laying

peculiarly warm smile that was especially her own. "Went on with Ward, eh?" he said, in his hearty voice. "That's all right, then. Oh, Miss Field!" he called, after in suspecting that Ward's feeling was Harriet's discreetly retreating back, face over hers, "Harriet, why not let "the car's downstairs. Wait for me there; I'll run you home in half the

the tennis finals, Mother-" Harriet, turning for just a nod and infinitely more suitable-" smile, heard no more. But as she entered the lift, the girl said to herself, with a passionate sort of gratitude; cheek with his own, and coming so "Oh, I like you! You're the only genu- close that to raise her beautiful eyes the elder Carters would visit them; ine and unselfish and kind-hearted one was to find his only a few inches away,

She went down to the street, and saw the small car walting. He was driving himself today. With a great sense of comfort and relaxation Harand she flushed. She would not enjoy riet got into it, and was comfortably telling Richard that she was to marry established, and tucked in snugly, his son. Those keen eyes would read when Richard came down. He smiled her through and through, and while at seeing her, got into his own seat; her father-in-law might love her, and the machine slipped smoothly into mo-

"Ever think how illuminating it would be, Miss Field, if we kept a list day. The prospect had an unexpect- of the things that are worrying us ed piquancy. She had little fear of sick, and read 'em over a few weeks

"I suppose so!" the girl said, a little surprised, and yet with fervor. "We'd whispered prophecy ringing in her have a fresh bunch then, and be wor-

The spontaneous response in tone made Richard Carter laugh. Harriet was content to enjoy this restful interval between the hurry and crowding of Linda's house and the currents and cross-currents that she herself, as she reached Madame Car- must encounter at Crownlands. She ter's pretentious apartment house, and watched the green country go by, the trees silent and heavy with their rich meet Nina here, and she glanced about foliage, the villages blazing with the

They flew by the great gates of the country club, and turned in past Crownlands. But there was no car in | Crownlands lodge, and Harriet got out



A Very Interesting-A Most Unusual Man-A Very Good Family, Too- Royal-had Ward-Excellent Old Family."

flushed face toward the man to thank asperating beyond words. An honest her, for she went upstairs saying again she was not involved in it. warning would have merely flattered to herself, "Oh, you're real-you're

It was delightful to get back into Two spades." Granny knew girl nature better than fragrance of flowers in the orderly and fragrant summer wear, and to go downstairs presently, rejoicing in be- liness. ing young and comfortable, and tremendously interested in life. The significance of Richard Carter's parting look, its honest admiration and friendliness, augmented by her own glance

stairs, stayed with her pleasantly. young woman to an old one, always an- a little in her heart. The boy was was furious. The old lady was ob- soil showing in marked contrast with subjected to various mechanical treatbut it was just a little unusual to have est and curiosity. Isabelle so openly interested in any

Undefined and vague, this was still lands, and when she met Ward Car-"How, are you, Miss Field? Tell ter, wrestling with the engine of his out in one of the clean, graveled spaces near the garage.

Harriet felt a little quickening of as she came close

"Spark plugs?" she asked, with the sympathy of one to whom the peculi-

arities of the car were familiar. "She's fixed now; I ve just cleaned em," Ward announced, flinging away his cigarette and straightening his back. "She'll go like bird, now. Say, get in and try her, will you?" he asked, eagerly. "Come on-come on, he a But perhaps he was as much surprised as delighted when she very simply stepped into the low front seat. He gave her more than one sidewise glance as they went dipping smoothly up and down the green lanes, and said to himself, "Gosh-when she crinkles those blue eyes of hers, and her mouth sort of twitches as if she wanted to laugh, she is a beauty-that's what she

About a week later they met for a few moments in this very side garden. It was early evening, and twilight and moonlight were mingled over the silent roses, and the trimmed turf, and the

low brick walls. They came straight toward each other, and stood very close together, "Wait a Minute, Harriet," She Said, and he took both of Harriet's bands "Now, what is it-what is it?" the man said, quickly. "I've been waiting long enough. I can't stand it any longer! I can't go away tomorrow, perhaps for two weeks, and not

know! "Ward," the girl faltered, lifting an Richard Carter gave his mother the exquisite face that wore, even in the faint moonshine, a troubled and intense expression, "can't we let it all walt until you get back?" "Why. Harriet," and his arm went

me go happy?" he pleaded. "You'll see a dozen younger girls at nine-days' wonder, his marriage at time the train takes. I'm playing in the Bellamys' camp," Harriet reasoned, "girls with whom it would be

about her shoulders, and he bent his

"Please!" he interrupted, patiently. And almost touching her warm, smooth he added, fervently, "You love me and and dreams,

Illuminon minimum (finish manifestion of that all that mar-

ters?" Did she love him? Harriet hoped. when she reviewed it all in the restless, tossing hours of the night, that she had thought, in that moment, that the did. It was wonderful to feel that strong, eager arm about her, there was a sweet and heady intoxication in his passion, even if it did not awaken an answering passion in return. Under all her reasoning and counter-reasoning in the night there crept the knowledge that she had known that this was coming, had known that only a few days of encouraging friendliness, only a few appealing glances from uplifted blue eyes, and a few casual touches of smooth brown hand must bring this hour upon her. And back of this hour, and of a man's joy in winning the woman he loved, she had seen the hazy future of prosperity and beauty and ease, the gowns and cars and homes, the position of young Mrs. Ward Car-She had let him turn her face up, in the strengthening moonlight, and kiss

her hungrily upon the lips, and she had sent him in to his dinner half-wild with the joy of knowing himself beloved. Harriet had gone in, too, shaken and half-frightened, and with his last ears:

"Wait a year-rot! I'll go to the Bellamys', because I promised to, but the day I come back, and that's two weeks from today, we'll tell everyone and this time next year you will have been my wife for six months!"

CHAPTER VI.

A most opportune bull followed when Harriet Field had time to collect her thoughts, and get a true perspective upon the events of the past week. Nina was leaving for a visit to Amy Hawkes, at the extremely dull and entirely safe Hawkes mausion, where four unmarried daughters constituted a chaperonage beyond all criticism Isabelle Carter was giving and attending the usual luncheons and dinners. her husband absorbed in an especially important business deal that kept him

alternate nights in the city. The house was quiet, the domestic machinery running smoothly, the weather hot, sulphtrous and enervating. She dined as usual alone, that evening, and was surprised, at about eight o'clock, to receive the demure notification from Rosa that Mrs. Carter would ilke to see her. With hardly an in-

stant's delay she went downstairs. On the terrace outside the drawing oom windows they were at a card taole: Richard, looking tired and hot in rumpled white, Isabelle exquisite in silver lace, and young Anthony Pope. Near by, Madame Carter majestically fingered some illustrated magazines. It appeared that they wanted bridge; t was too hot to eat, too hot to dance

at the club, too hot-said Isabelle pathetically-to live! Obligingly, Harriet took her place, cut for the deal. But her eyes had not fallen upon the group before she sensed that something was wrong, and she had a moment's flutter of the heart for fear some one suspected her, that

power. It was maddening; it was ex-he smiled and nodded at her pleased suring; if there was constraint here, bright skies of the topics? him. Whatever she saw in his face as Richard's first words to her were reas- over the calm seas and under the

Well, that doesn't seem to frighten me. across the coast range of mountains stripping off the berries as well as down the weeds in the cotton fields.

monds, M'ss Field," Anothony said, Sao Paulo, which lies in a position of used. gloom downstairs, to take off her hat gravely and pleasantly, and Harriet Immense advantage to its commercial The usual method of harvesting is may be hatched at about the time the 5 per cent of beef scrap added, and and her hot, dusty clothing, and have felt herself acquitted of any apprehen- development. From the city of Sao to let the berries, twigs, etc., fall dia leisurely hot bath; to put on fresh sion in that direction as well. It only Paulo the heart of the coffee country rectly on the ground, where they are be made on the floor of the house, or In February, when the feeding for remained for Isabelle to show friend- is reached in a short day's journey later raked together with wire rakes in large boxes, barrels or other shel-

"Du hast diamonten and perlen, down, Harriet!" Mrs. Carter said, through the scattering woodlands, thoughtfully. Harriet began thoroughan awning whose shade fell upon the Richard did not enjoy the discovery hound, and Tony Pope. Harriet cast fore. Harriet knew that Isabelle was eye can see-great broad waves of berries are then assembled in sacks, them a passing glance, and wondered ill at ease; she suspected that Tony green, with the narrow lines of the red From this point on the berries are handsome, and fascinating, and rich, viously quivering with baffled inter- the green of the leaves. It is a sight ments. Under the "wet method" they

After three rubbers the game ended suddenly; Richard said he had some letters to write, and was keeping Fox a little way, Linda; I was happy—I Ella were heard. Immediately afterthoughts as she returned to Crown- bled a check, said brief and unfriendly good-nights; Isabelle merely raised passionate dark eyes to his. She was is not right for the coffee tree. Nina to hurry; I've got about five min- own rather disreputable racing car. languidly gathering in her spoils when the lights of his car flashed yellow on the drive and he was gone.



Will the Tree Briefly, and Harriet Obediently Loitered

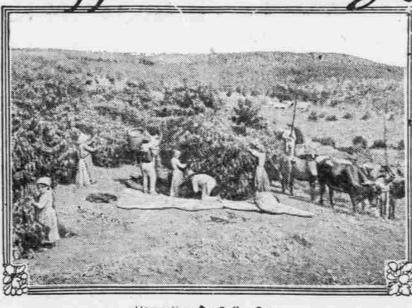
Madame Carter followed hi 1 in, and went unstairs, but Isabelle sat on moodily shuffling and reshuffling the cards, in the bright soft light of the terrace lamps

"Wait a minute, Harriet," she said. briefly, and Harriet obediently loitered. But Isabelle seemed to have nothing to say. Her eyes were on the cards. her beautiful breast, exposed in the low-cut sliver gown, rose and fell stormlly, and Harriet saw that she was biting her full under lip, as if anger seethed strong within her.

"Miss Field, we have just had a most terrible blow."

Youth is the time of fancies, der

Sao Paulo, Where Coffee Is King



Harvesting de Coffee Crop.

(Prepared by the National Geographic So- | four years after they have been re-On the gentle sloping hillsides of the moved from the nurseries, where they northern portion of a single state of grow in wicker baskets, under shade the great Brazilian republic there are some 700,000,000 coffee trees. Here on the famous rich, red soil (terra rossa), under extraordinarily favorable climatic conditions, the state of Sao Paulo is producing annually close to three-quarters of the world's total coffee crop. Small wonder it is that this state ranks so high in the number and in the character of its popuition; in the development of its railoads; in its general commercial and industrial activity. Small wonder is it that the city of Sao Paulo is so full of life and energy; that Santos has beme so famous a port, that the Santos docks and the Sao Paulo railway attract so many visitors. Coffee is the ainspring of all this development. Coffee is the prevailing topic of conversation. Coffee is the key to the financial situation. Coffee is king. As a famous waterfall, or an imiense steel plant, or a great forest, or a wonderful view attracts the traveler, so this remarkable Brazilian coffee district has a fascination all its own for the "globe-trotter," or for the more leisurely traveler who seeks to know omething more definite about our

particularly, for any one to whom man's achievements in changing the face of nature by making the earth produce what he needs and what he finds profitable are a source of satisfaction and inspiration. Journey of Great Interest. The heart of the coffee country can be reached in less than three weeks from New York. The voyage to and from Rio Janeiro is a delight which cannot fail to satisfy even those who into August, or even September. This

From Rio de Janeiro a journey of

Charm of the Fazendas. On the lower slopes of the hills or verandas and large windows, surroundstables and for the machinery, for the are ready for shipment to market. laborers and for the superintendent, be-

from the manor house. prosperity—as they lie there, sur- often does. ounded by the wealth of their coffee papers throughout the civilized world, ple. Coffee is everywhere on the The coffee trees on a Brazilian plan- streets, in the warehouses, on the tatica begin to bear in from two to train. Every one is busy with coffee.

What Causes Air Pockets? | Ing Into an air pocket are sucked down-

Air pockets have long been a menace to aviators. Those who are familiar with water eddles and whirlpools, can readily visualize air pockets, since they are formed in much the same way. Air pockets are caused by local refraction of the atmosphere. Cyclones are really air pockets on an enormous scale. Small air pockets aristocracy. Every woman can be atvary in diameter from a few feet to tractive, no matter what her features several hundred feet. Airplanes driv- may be.

OSTRICH EGGS AS FOOD

been experimenting with ostrich eggs gardens, declares that the food value that of the domestic hen's egg. The ed minder I ever saw." flavor is identical and, although the ostrich eggs contain less protein than meat, they have more fat and a fair amount of phosphorus and iron. One 30 persons.-The Argonaut.

The fruit, when ripe, is red, and resembles a small cherry, or cranberry in general appearance. The coffee which we see in the grocery store is the seed of this coffee berry.

Normally each berry contains two seeds, flat on one side and rounded on the other, the flat sides being together The seeds are imbedded in a sticky, whitish pulp, and are further themselves surrounded by two envelopes. Before the coffee bean can be put

upon the market the outer covering. the pulp, and the two inner coverings must be removed. It is customary to classify the methods of preparing coffee for market into the wet and the dry. They are alike, after a certain stage, and there is disagreement among experts as to the relative merits of the two in producing the best coffee. In the dry process the berries are dried before the pulp is removed, and then outer covering, pulp, and inner coverings are removed together. In the wet process the pulp is first removed in water, and the drying and removal of the inner envelopes come later. There is no absolutely hard and fast rule, invariably followed on all fazendas South American neighbors; or, more alike, in the preparation for market of the coffee beans.

A considerable water supply and a carefully planned system of small canals and of basins is needed in the wet method, and it is partly for this preference of some fazendeiros for

s not everywhere in use. Harvest Lasts Several Months, The harvest begins in May and lasts

she was under surveillance. Had are not naturally lovers of the sea. is the dry season, so that the weather What can be more ideal for any one | conditions are very favorable, not only She turned a card, took the deal, who is tired out with the wear and for the harvest itself, but for drying found Anthony Pope her partner, and tear of a busy life than that voyage and transporting the crop after it has on an acre of land, the number depend which after six weeks may be made entered into the game with spirit. of two weeks from New York to Rio, been gathered. In picking the coffee, ing upon the quality of the pasture. equal parts shorts and corn meal and left hand and held at the outer end, age. Free range should be used while the right hand is run along the wherever possible. In the South many "No trump-says little Miss Field. about eight hours takes the traveler bough from the base to the tip, thus people use geese to help in keeping (Serra do Mar) and along the valley many leaves and twigs. For the up- Along about the first of February "I think we might try three dia- of the Parahyba river to the city of per branches rude step-ladders are

along one of the lines of railroad which with rounded teeth, and the first rough ters. It is desirable to collect the go in a northerly or northwesterly di- sorting is made. The next stage is a eggs daily and to keep them in a cool of middlings or low-grade flour, and you two. I can see that! You're rection across the open campos or winnowing by means of a wire sleve, place where the contents will not 10 per cent of beef scrap, which is fed the hand being used to pick out the evaporate too rapidly; if kept for in the morning, and equal parts of In about two hours after leaving the twigs and leaves and the wind blow- some time they may be stored in loose corn and wheat, or corn alone, fed ly to enjoy herself. If they were all city of Sao Paulo the traveler begins ing away a good deal of the dust as bran. at a chance mirror on her way up furious, at least it was not with her. to see the first considerable coffee the contents of the sieve are thrown She speculated, as she gathered in plantations, and from that time on up into the air and caught again sev-At one end-of the terrace there was her tricks. Was it conceivable that the journey is one of the greatest interest. Coffee is everywhere. Miles the results of the harvesting are albrick flooring and the jars of bloom; of the tete-a-tete dinner? But Isabelle and miles of coffee trees stretch away, lowed to fall into cotton cloths spread and this afternoon it also shaded Isa- had often been equally indiscreet, and up and down the gentle slopes of the out underneath the trees. This makes belle, in a basket chair, and the big he had never seemed to resent it be rolling topography, often as far as the the gathering of the crop quicker. The

which is not soon forgotten. Here and are washed, churned with hoes, althere are small patches of forest which lowed to soften, and are then run have not yet been destroyed to make through a mechanical pulper. The way for the coffee. And then there seeds, still enveloped by their inner come great stretches of rugged grass- skins, are strained from the "mush" lands, partly used for grazing purposes, resulting from the pulping operations, or locally for farming, where the soil and are then placed in basins to ferment slightly so that any remaining pulp will be loosened. They are then spread out on large paved surfaces to Immediately afterward Richard marked contrast with the green coffee the seeds are gathered up and run her pulses as she saw him. There was Carter said good-night to his mother trees, are the white buildings of the through ingenious machines which rub no mistaking the pleasure in his eyes and wife, and went in to his study. fazendas—great, substantial stone and off the skin. The particles of skin are stucco manor houses, with wide sifted and blown out and the coffee beans-hulled, cleaned and sorteded by gardens filled with palm, and fall directly from the last machine into banana, and orange, and mango trees; the bags. When these contain 132 the extensive outbuildings, for the pounds each they are sewed up and Along the roads, deep m red dust, ing placed at a respectful distance six or eight yoke of oxen draw the heavy wagon, loaded with the precious

All these Brazilian fazendas have a sacks, to the nearest railroad station, peculiar charm—an appearance of in cases where the railroad does not solidarity, of comfort, of peace, and of come directly into the fazenda, as it Off to the south go the trains, first rees, with cattle grazing on the neight to the city of San Paulo, and then boring fields, and with ever-busy, pic- down the steep eastern slopes of the presque Italian laborers caring for Serra do Mar to the world's famous the precious crop, whose market prices coffee port. In Santos, coffee absoare quoted dally in all the important lutely dominates the lives of the peo-

> ward and the aviators lose all control. Unlike the cyclone, small air pockets

> > ence Monthly. Marks of Distinction. To be distinctive one does not need expensive clothing. A face radiating mental poise, a well-groomed body, carried with grace and dignity, is its own

> > are absolutely invisible.-Popular Sci-

Classifying Youthful Visitor. One day a caller brought her small son, who had evidently never been Mr. Gaillican, diet expert, who has taught to obey, and the pleasure of the visit was much marred. As the supplied by the New York zoological guests walked away Anita stood looking after them and, in a disapproving of the ostrich egg is about the same as | tone, said: "He certainly is the worst-

Bride Stands on Plate of Milk. At a marriage ceremony in India the bride stands on a large plate filled egg will make an omelet sufficient for with milk and rose-colored sweet meats.

ALMERS UKGED TO RAISE GEESE AS FOWLS FURNISH TABLE MEAT

Prepared by the United States Department | daily. The sitters may be broken up During the holiday season, when if they are confined to a slat-bottom he thetuous goose graces the largest tvallable platter, is the time to think of the advisability of growing a bunch of these profitable birds for the tables that will be spread for hungry famlies another year. The goose population in the United States has been on the decline in recent years, but the United States Department of Agriculture expresses the opinion that there are many farms on which a few can be raised on pasture and other eed that will scarcely be missed. Albough the demand for feathers is not what it once was, and the eggs are not in demand for cooking, these birds are worth while as producers of de. added after the first week if the eggs licious meat. The objection has been raised that the ment is too olly, but this condition is largely due to improper cooking, to failure to remove

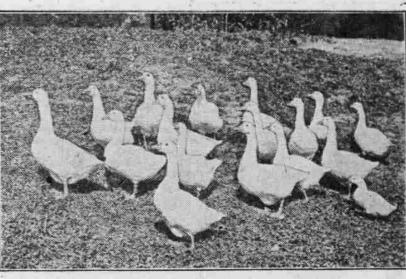
ity, and to not skimming off the grease while cooking. Grass Furnishes Bulk of Feed. Where there is low, rough pasture land with a natural supply of water. geese can be raised at a profit. They are generally quite free from disease and all insect pests, but they are oc. Goose eggs hatch slowly, especially cusionally affected by the diseases under hens, and the goslings are rethe bulk of the feed and it is doubt- in a warm place until the hatching ful whether it pays to raise them if is over, when they are put back under good grass range is not available. A the hen or goose. body of water where they can swim is considered essential during the breeders give all the goslings to the breeding season and is a good thing geese. Hens with goslings may be during the rest of the year,

the surplus fat of the abdominal cav-

coop, with water to drink but no feed, for two to four days. Some breeders prefer to raise all the goslings with hens, as geese sometimes become difficult to manage when allowed to batch and rear their young. Hens used for hatching goose eggs must be dusted with insect powder and have good attention as the period of incubation for goose eggs is longer than for chicken eggs. Goose eggs may be hatched in incubators and the gosling raised in brooders, but this is not a common practice.

From 28 to 30 days are required to hatch goose eggs. Moisture should be are set under hens or in incubators warm water being sprinkled on the eggs or the nest. Incubators should be run at temperature of 101,5 to 102.5 degrees Fahrenhelt, or about 11/2 degrees lower than for hens' eggs and the eggs should be cooled longer. Four to six eggs are put under a hen and 10 to 13 under a goose. They may be tested about the tenth day, and those that are infertile or contain dead germs should be removed. common to poultry. Grass makes up moved as soon as hatched and kept

After the eggs are all hatched some kept in coops and their charges al-The market is not so general as for lowed to range, but they are not alchickens, but the demand and the lowed to go into the water until sevprice are unusually good in localities eral days old. In mild weather they where goose fattening is conducted will be able to look after themselves on a large scale. However, a few when seven to ten days old. Coops



Geese Need Little Feed Outside of Pasture During Greater Part of Year. geese are desirable on many farms with board floors are desirable for where there is no such market. Ex- goslings and they should be protected reason, as well as because of the cept in winter and during stormy from their enemies and looked after weather, mature goese have little need in case they get lost in their wanderthe dry method, that the wet method for a house, Breeders in the North, ings about the farm, and some in the South, use a shed Feeding the Young Birds. open to the south as a protection in Goslings do not feed until they are winter. Coops, barrels or other shel- 24 to 36 hours old, when they may be ter are needed by goslings. The fed any of the mashes recommended

houses may be kept clean by supply- for chickens or for ducklings, or a ing plenty of straw for bedding. mash or dough of two-thirds shorts or middlings and one-third corn meal, From 4 to 25 geese may be pastured is also an excellent feed for goslings. Fine grit is needed and may be provided by using 5 per cent of sharp sand in the mash, or by keeping it

before them in a hopper. geese should get a ration suitable them a ration of one-third shorts and for egg production so that goslings two-thirds corn meal by weight, with eggs is begun, a ration made up of one pound of corn meal, one of bran, one

The first eggs are usually set un- Grit and oyster shell may be proder hens, while the last ones the vided at all times, but they are esgoose lays may be hatched either un- sential during the laying period. In der hens on under the goose if she winter and at other times when there goes broody. If the eggs are not re- is no good pasture available, geese

moved from the nest where she is may be given roughages such as cut laying she will usually stop laying clover, hay, alfalfa, sliage, cabbage, sooner than if they are taken away mangels, or any waste vegetables.

WOOD ASHES MOST VALUABLE PEAS REQUIRE MUCH SPACE

woods Like Hickory or Oak Contain Much Potash. The use of coal ashes is permissible on heavy clay soils. However, they in very small gardens, as they require should be screened and all coarse cin- much space. Most gardeners, howders removed before being applied, and ever, insist upon having a few short then should be spread evenly over the rows of peas in their gardens. In on the lowlands, standing out in dry in the sun. When properly dried surface and thoroughly mixed with the large gardens enough peas should be soil as deep as it is plowed or spaded. planted to provide surplus for can-Coal ashes have little value as ferti- ning. The smooth varieties may be lizer, their use being mainly to loosen sown very early or just as soon as the the soil and make it more workable, ground is in shape to work in the Wood ashes, especially those produced spring. The wrinkled varieties should by burning hardwoods like hickory, not be sown until the ground has maple, or oak, frequently contain as warmed slightly. Some of the dwarf high as 7 per cent potash, and are val- varieties can be grown without supuable fertilizers. Those produced from ports, but the larger growing sorts reburning soft woods, such as pine, and quire brush, a wire trellis or some also hardwood ashes that have been form of support. The old-fashioned exposed to the weather, have compara- English sugar pea on good soil will tively little value as fertilizer. About grow to a height of 5 or 6 feet and 50 pounds of dry, unbleached hardwood ashes may be applied to a plot should be borne in mind that under of ground 30 by 60 feet in size, but ordinary conditions peas do not withshould be well mixed with the soil.

KEEP FOWLS FROM FREEZING

Prevent Trouble With Combs and Wattles By Anointing With Vaseline and Kerosene.

ens may be prevented by anointing all other crops, and upon a great vawith a salve made of equal parts of riety of soils. Stable manure may be vaseline and kerosene, well mixed. plowed under for potatoes, but most Apply this at night during very cold growers prefer to use fertilizer. Poweather. Put it on thick in cases tatoes will do best on a deep, well where the combs and wattles are already frozen. This salve is also excellent for colds in the head or rattling in the throat. Rub the salve over the nostrils and under the throat,

Proper Feed for Boar. The boar should have sufficient food infecting. If a dirt floor is used, dig o keep him growing rapidly and in down six or eight inches, cart the dirt good flesh, but not such foods as are to the field, and replace it with telean likely to make him fat. gravel.

Goslings can be hatched in an insubator, but it is not usually recom- should be the improvement of poultry nended, as poultrymen have found in those qualities which have a defithat it is more difficult to get strong nite market value, such as increased birds than when they are hatched by egg production, quality and quantity

Value of Clover Hay. Good clover hay is worth \$12 to \$18 per ton and aifalfa hay is selling for a ration for fattening cattle and should thin and feather slowly are seldom of

be fed rather than expensive hay, much value

Those Produced by Burning Hard- Smooth Varieties May Be Sown Early

at night, will produce good results.

If goslings are to be fattened give

or as Soon as Ground Is in Shape to Work, Peas are not adapted to growing produce peas until midsummer. It stand great heat, and that they must produce their crop before midsummer. -United States Department of Agri-

Lime Fosters Potato Scab.

Do not use lime upon land that is to be planted to potatoes, as it may Frozen combs and wattles of chick- foster scab. Lime is good for almost

Overhaul Poultry House. At some convenient time of the year give the poultry house and yard an exceptionally thorough cleaning and dis-

Improvement of Poultry. The great aim in poultry breeding

pattern. Pullets That Lay Early.

of fiesh growth, and perfection of color

Pullets that feather rapidly are about \$20 per ton. Silage will dis- to be birds of vigor that will lay at place a goodly portion of the hay in an early age. Pullets that are rather